## Amendments to the Claims:

The following listing of claims will replace all prior versions and listings of claims.

## Listing of Claims:

Claims 1-23 (Canceled)

Claim 24. (Previously presented) An isolated antibody or fragment thereof that specifically binds to a protein selected from the group consisting of:

- (a) a protein consisting of amino acid residues 1 to 121 of SEQ ID NO.68;
- (b) a protein consisting of amino acid residues 17 to 121 of SEQ ID NO:68;
- (c) a protein consisting of a portion of SEQ ID NO:68, wherein said portion comprises at least 30 contiguous amino acid residues of SEQ ID NO:68; and
- (d) a protein consisting of a portion of SEQ ID NO:68, wherein said portion comprises at least 50 contiguous amino acid residues of SEQ ID NO:68.

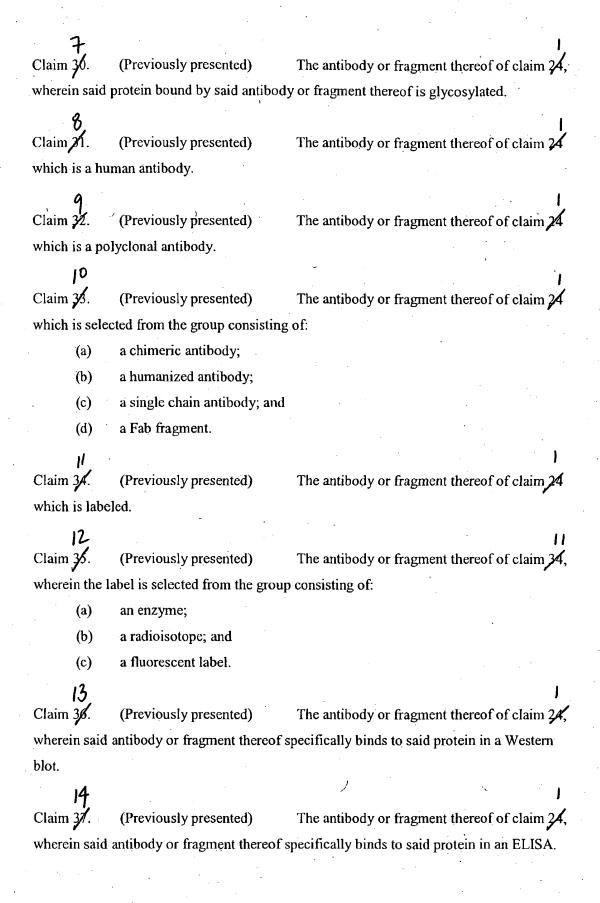
Claim 25. (Previously presented) The antibody or fragment thereof of claim 24 that specifically binds protein (a).

Claim 26. (Previously presented) The antibody or fragment thereof of claim 24 that specifically binds protein (b).

Claim 21. (Previously presented) The antibody or fragment thereof of claim 24 that specifically binds protein (c).

Claim 28. (Previously presented) The antibody or fragment thereof of claim 24 that specifically binds protein (d).

Claim 29. (Previously presented) The antibody or fragment thereof of claim 25 that specifically binds protein (b).



Claim 38. (Previously presented) An isolated cell that produces the antibody or fragment thereof of claim 24.

Claim 39. (Previously presented) A hybridoma that produces the antibody or

Claim 40. (Previously presented) An isolated antibody or fragment thereof obtained from an animal that has been immunized with a protein selected from the group consisting of:

- (a) a protein comprising the amino acid sequence of amino acid residues 1 to 121 of SEQ ID NO:68;
- (b) a protein comprising the amino acid sequence of amino acid residues 17 to 121 of SEQ ID NO:68;
- (c) a protein comprising the amino acid sequence of at least 30 contiguous amino acid residues of SEQ ID NO:68; and
- (d) a protein comprising the amino acid sequence of at least 50 contiguous amino acid residues of SEQ ID NO:68;

wherein said antibody or fragment thereof specifically binds to said amino acid sequence.

Claim 41. (Previously presented) The antibody or fragment thereof of claim 40 17 obtained from an animal immunized with protein (a).

Claim 42. (Previously presented) The antibody or fragment thereof of claim 40 17 obtained from an animal immunized with protein (b).

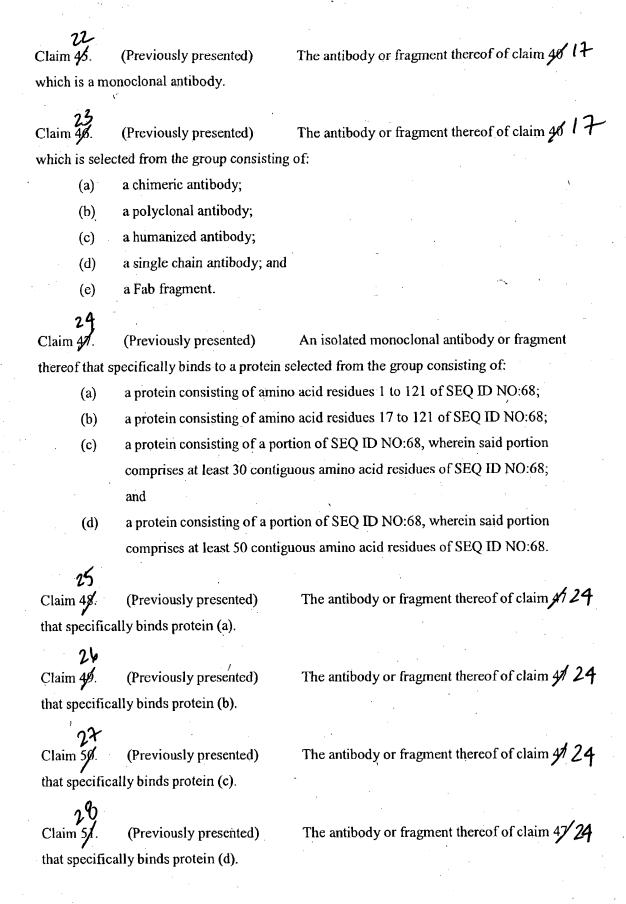
Claim 45. (Previously presented) The antibody or fragment thereof of claim 45.7

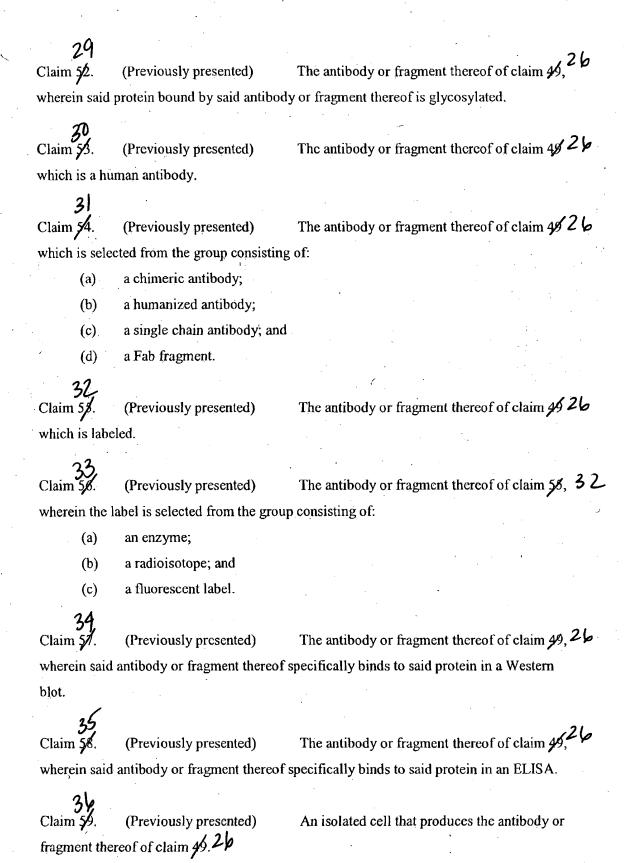
obtained from an animal immunized with protein (c).

Claim 44. (Previously presented) The antibody or fragment thereof of claim 46 17 obtained from an animal immunized with protein (d).

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fragment thereof of claim 24.





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Claim 66. (Previously presented) fragment thereof of claim 46. 26

A hybridoma that produces the antibody or

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Claim 1. (Previously presented) An isolated antibody or fragment thereof that specifically binds to a protein selected from the group consisting of:

- (a) a protein consisting of the full-length polypeptide encoded by the HPMBQ91 cDNA contained in ATCC Deposit Number 97922;
- (b) a protein consisting of the secreted portion of the polypeptide encoded by the HPMBQ91 cDNA contained in ATCC Deposit Number 97922;
- (c) a protein consisting of a portion of the polypeptide encoded by the HPMBQ91 cDNA contained in ATCC Deposit Number 97922, wherein said portion comprises at least 30 contiguous amino acid residues of the polypeptide encoded by the HPMBQ91 cDNA contained in ATCC Deposit Number 97922; and
- (d) a protein consisting of a portion of the polypeptide encoded by the HPMBQ91 cDNA contained in ATCC Deposit Number 97922, wherein said portion comprises at least 50 contiguous amino acid residues of the polypeptide encoded by the HPMBQ91 cDNA contained in ATCC Deposit Number 97922.

Claim 62. (Previously presented) that specifically binds protein (a).

The antibody or fragment thereof of claim 61

Claim 63. (Previously presented) that specifically binds protein (b).

The antibody or fragment thereof of claim 6/33

Claim 64. (Previously presented) that specifically binds protein (c).

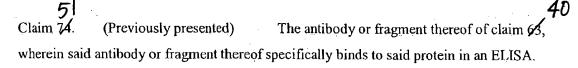
The antibody or fragment thereof of claim of 38

Claim 65. (Previously presented) that specifically binds protein (d).

The antibody or fragment thereof of claim 6/38

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Claim 66.	(Previously presented)	The antibody or fragment thereof of claim 6/2 39
that specifica	ally binds protein (b).	
44. Claim 61.	(Previously presented)	The antibody or fragment thereof of claim 65, 40
wherein said		y or fragment thereof is glycosylated.
45 Claim 68.	(Previously presented)	The antibody or fragment thereof of claim 63 40
which is a hu	aman antibody.	
Claim 69. which is a po	(Previously presented)	The antibody or fragment thereof of claim 63 40
47		
Claim 76.	(Previously presented)	The antibody or fragment thereof of claim 63 40
which is sele	ected from the group consisting	•
(a)	a chimeric antibody;	
(b)	a humanized antibody;	
(c)	a single chain antibody; and	
(d)	a Fab fragment.	
<b>4%</b> Claim <b>7</b> 1.	(Previously presented)	The antibody or fragment thereof of claim 63 40
which is labe	eled.	
49.		
Claim 72.	(Previously presented)	The antibody or fragment thereof of claim 1/1, 46
wherein the	label is selected from the group	consisting of:
(a)	an enzyme;	
(b)	a radioisotope; and	
(c)	a fluorescent label.	
50 Claim 73.	(Previously presented)	The antibody or fragment thereof of claim 63,
wherein said	antibody or fragment thereof s	specifically binds to said protein in a Western
blot.		

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- Claim 75. (Previously presented) An isolated cell that produces the antibody or fragment thereof of claim 63. 40
- Claim 76. (Previously presented) A hybridoma that produces the antibody or fragment thereof of claim 63. 40
- Claim 7. (Previously presented) An isolated antibody or fragment thereof obtained from an animal that has been immunized with a protein selected from the group consisting of:
  - a protein comprising the amino acid sequence of the full-length polypeptide encoded by the HPMBQ91 cDNA contained in ATCC Deposit Number 97922;
  - a protein comprising the amino acid sequence of the secreted portion of the polypeptide encoded by the HPMBQ91 cDNA contained in ATCC Deposit Number 97922;
  - (c) a protein comprising the amino acid sequence of at least 30 contiguous amino acid residues of the polypeptide encoded by the IHPMBQ91 cDNA contained in ATCC Deposit Number 97922; and
  - (d) a protein comprising the amino acid sequence of at least 50 contiguous amino acid residues the polypeptide encoded by the HPMBQ91 cDNA contained in ATCC Deposit Number 97922;

wherein said antibody or fragment thereof specifically binds to said amino acid sequence.

Claim 78. (Previously presented) The antibody or fragment thereof of claim 7/54 obtained from an animal immunized with protein (a).

Claim 79. (Previously presented) The antibody or fragment thereof of claim 1/5 4 obtained from an animal immunized with protein (b).



Claim 86. (Previously presented) The antibody or fragment thereof of claim 1/2 obtained from an animal immunized with protein (c).

Claim %1. (Previously presented) The antibody or fragment thereof of claim %7. obtained from an animal immunized with protein (d).

Claim 82. (Previously presented) The antibody or fragment thereof of claim 7/2 which is a monoclonal antibody.

Claim 33. (Previously presented) The antibody or fragment thereof of claim 7/2 which is selected from the group consisting of:

- (a) a chimeric antibody;
- (b) a polyclonal antibody;
- (c) a humanized antibody;
- (d) a single chain antibody; and
- (e) a Fab fragment.

Claim 84. (Previously presented) An isolated monoclonal antibody or fragment thereof that specifically binds to a protein selected from the group consisting of:

- a protein consisting of the full-length polypeptide encoded by the
   HPMBQ91 cDNA contained in ATCC Deposit Number 97922;
- (b) a protein consisting of the secreted portion of the polypeptide encoded by the HPMBQ91 cDNA contained in ATCC Deposit Number 97922;
- (c) a protein consisting of a portion of the polypeptide encoded by the HPMBQ91 cDNA contained in ATCC Deposit Number 97922, wherein said portion comprises at least 30 contiguous amino acid residues of the polypeptide encoded by the HPMBQ91 cDNA contained in ATCC Deposit Number 97922; and
- (d) a protein consisting of a portion of the polypeptide encoded by the HPMBQ91 cDNA contained in ATCC Deposit Number 97922, wherein said portion comprises at least 50 contiguous amino acid residues of the

polypeptide encoded by the HPMBQ91 cDNA contained in ATCC Deposit Number 97922.

Claim 85. (Previously presented) The antibody or fragment thereof of claim 3/4 that specifically binds protein (a). Claim &6. (Previously presented) The antibody or fragment thereof of claim 84 that specifically binds protein (b). Claim 87. (Previously presented) The antibody or fragment thereof of claim 84 that specifically binds protein (c). Claim 88. (Previously presented) The antibody or fragment thereof of claim 84 that specifically binds protein (d). Claim 89. (Previously presented) The antibody or fragment thereof of claim & that specifically binds protein (b). 63 Claim 90. The antibody or fragment thereof of claim 86, (Previously presented) wherein said protein bound by said antibody or fragment thereof is glycosylated. Claim 91. (Previously presented) The antibody or fragment thereof of claim &6 which is a human antibody. Claim 92. (Previously presented) The antibody or fragment thereof of claim 86 which is selected from the group consisting of: (a) a chimeric antibody; (b) a humanized antibody; (c) a single chain antibody; and (d) a Fab fragment.

